

Supplemental Information

SUPPLEMENTAL TABLE 4 Expanded Version of Table 2 From Article With All Coefficients for Control Variables Included: Predictors of Child's Externalizing CBCL Scores at Age 9

Variable	Model 1: Spanking (SE)	Model 2: Child and Family Characteristics (SE)	Model 3: Maternal Mental Health and Cognition (SE)	Model 4: Earlier Child Behavior (SE)
Mother's more frequent spanking at age 3 ^a	1.25* (0.55)	1.02 ⁺ (0.54)	0.81 (0.53)	0.21 (0.50)
Mother's less frequent spanking at age 3 ^a	0.38 (0.36)	0.28 (0.35)	0.14 (0.34)	-0.04 (0.33)
Mother's more frequent spanking at age 5 ^a	3.79*** (0.74)	3.15*** (0.73)	2.66*** (0.72)	1.83** (0.68)
Mother's less frequent spanking at age 5 ^a	1.59*** (0.35)	1.42*** (0.34)	1.17** (0.34)	0.65* (0.32)
Father's more frequent spanking at age 3 ^a	0.26 (0.74)	0.23 (0.73)	0.02 (0.72)	-0.24 (0.68)
Father's less frequent spanking at age 3 ^a	0.36 (0.40)	0.31 (0.40)	0.21 (0.39)	-0.19 (0.37)
Father's more frequent spanking at age 5 ^a	-0.31 (1.12)	-0.33 (1.10)	-0.33 (1.07)	0.18 (1.02)
Father's less frequent spanking at age 5 ^a	-0.14 (0.43)	0.01 (0.42)	0.17 (0.41)	0.25 (0.39)
Child is a girl		-1.31*** (0.30)	-1.28*** (0.29)	-1.08*** (0.28)
Child's age, mo		0.03 (0.04)	0.02 (0.04)	0.04 (0.04)
Child is low birth wt		-0.63 (0.52)	-0.31 (0.51)	-0.32 (0.49)
Child is first born		-0.12 (0.37)	-0.15 (0.37)	0.02 (0.35)
Emotional child temperament at age 1		0.17*** (0.05)	0.13** (0.05)	-0.02 (0.05)
Mother's age at birth, y		-0.02 (0.03)	-0.02 (0.03)	-0.01 (0.03)
Married at baseline and age 9 ^b		-1.45* (0.63)	-1.05 (0.62)	-0.66 (0.59)
Cohabiting at baseline and married or cohabiting at age 9 ^b		-0.08 (0.56)	0.16 (0.55)	0.26 (0.52)
Living together at baseline, not at age 9 ^b		0.44 (0.41)	0.49 (0.41)	0.54 (0.39)
Living separate baseline, together at age 9 ^b		0.21 (0.67)	0.34 (0.66)	0.45 (0.63)
Mother is black, non-Hispanic ^c		-1.24** (0.43)	-1.02* (0.43)	-0.87* (0.40)
Mother is Hispanic ^c		-0.87 (0.52)	-0.49 (0.52)	-0.62 (0.49)
Mother is other race or ethnicity ^c		0.41 (0.94)	0.32 (0.92)	-0.29 (0.87)
Mother completed high school or GED ^d		0.01 (0.40)	0.04 (0.39)	0.11 (0.37)
Mother some college or trade school ^d		-0.39 (0.42)	-0.48 (0.43)	-0.21 (0.41)
Mother has BA or more ^d		0.56 (0.70)	0.27 (0.71)	0.44 (0.66)
Household income to need ratio		-0.17* (0.08)	-0.17* (0.08)	-0.16* (0.08)
Mother is not US born		-0.07 (0.57)	0.11 (0.57)	0.37 (0.54)
Mother reported living with both parents at age 15		-0.10 (0.33)	-0.09 (0.33)	-0.06 (0.31)
Mother worked in past 2 wk		-0.55 (0.32)	-0.38 (0.32)	-0.41 (0.30)
Number of other adults in household at age 9		-0.26 (0.19)	-0.28 (0.19)	-0.32 (0.18)
Number of other children in household at age 9		0.11 (0.12)	-0.00 (0.12)	-0.02 (0.12)
Maternal prenatal drugs, alcohol, or smoking		1.64*** (0.40)	1.35** (0.39)	0.91* (0.37)
Mother reported some IPV before child's birth		0.53 (0.62)	0.21 (0.61)	0.02 (0.58)
Birth father supportive during pregnancy		-0.27** (0.10)	-0.19 ⁺ (0.10)	-0.09 (0.10)
Late starting or no prenatal care		-0.18 (0.41)	-0.13 (0.40)	-0.04 (0.38)
Low maternal stress at age 5			-0.40*** (0.06)	-0.31*** (0.05)
Some indication of maternal depression or general anxiety disorder over past 9 y			1.10*** (0.32)	0.71* (0.30)
Mother's impulsivity at age 5			-0.22 ⁺ (0.12)	-0.15 (0.11)
Mother's WAIS-R similarities score at age 3			0.14* (0.06)	0.14* (0.06)
Child's externalizing CBCL at age 3				0.28*** (0.02)
Constant	4.78*** (0.31)	6.11 (4.86)	11.39* (4.91)	4.32 (4.68)
Observations	1933	1933	1933	1933
R ²	0.04	0.10	0.14	0.23

^a Omitted category is Parent not spanking (all models also include controls for father absent at age 3 and father absent at age 5 interviews).

^b Omitted category is Not living with father at baseline or at age 9.

^c Omitted category is Mother is white, non-Hispanic.

^d Omitted category is Mother did not finish high school.

*** $P < .001$;

** $P < .01$;

* $P < .05$;

+ $P < .07$.

SUPPLEMENTAL TABLE 5 Expanded Version of Table 3 From Article With All Coefficients for Control Variables Included: Predictors of Child's Standardized PPVT Score at Age 9

Variable	Model 1: Spanking (SE)	Model 2: Child and Family Characteristics (SE)	Model 3: Maternal Mental Health and Cognition (SE)	Model 4: Earlier Child Behavior (SE)
Mother's more frequent spanking at age 3 ^a	-1.20 (1.32)	-1.31 (1.15)	-0.95 (1.15)	-0.37 (1.09)
Mother's less frequent spanking at age 3 ^a	0.65 (0.86)	0.49 (0.75)	0.54 (0.75)	0.30 (0.71)
Mother's more frequent spanking at age 5 ^a	-1.40 (1.82)	-1.65 (1.61)	-1.09 (1.61)	-0.92 (1.52)
Mother's less frequent spanking at age 5 ^a	-1.11 (0.83)	-0.00 (0.73)	0.22 (0.73)	0.22 (0.69)
Father's more frequent spanking at age 3 ^a	0.92 (1.77)	0.32 (1.56)	0.20 (1.55)	-0.56 (1.46)
Father's less frequent spanking at age 3 ^a	0.36 (0.97)	0.22 (0.85)	0.24 (0.85)	0.26 (0.80)
Father's more frequent spanking at age 5 ^a	-5.06 ⁺ (2.78)	-5.65* (2.44)	-5.70* (2.42)	-4.21 ⁺ (2.29)
Father's less frequent spanking at age 5 ^a	-0.70 (1.02)	-1.42 (0.90)	-1.32 (0.89)	-0.79 (0.84)
Child is a girl		-0.14 (0.64)	-0.23 (0.64)	-0.83 (0.60)
Child's age, mo		-0.06 (0.09)	-0.10 (0.09)	-0.09 (0.08)
Child is low birth wt		-1.82 (1.13)	-1.70 (1.12)	-0.77 (1.06)
Child is first born		1.43 (0.81)	1.12 (0.81)	0.90 (0.76)
Emotional child temperament at age 1		-0.32** (0.10)	-0.28** (0.10)	-0.17 (0.10)
Mother's age at birth, y		0.02 (0.07)	0.03 (0.07)	0.05 (0.07)
Married at baseline and age 9 ^b		2.17 (1.38)	1.72 (1.38)	1.37 (1.30)
Cohabiting at baseline and married or cohabiting at age 9 ^b		2.15+ (1.18)	2.03 (1.18)	2.09+ (1.11)
Living together at baseline, not at age 9 ^b		-1.31 (0.87)	-1.30 (0.86)	-1.40 (0.81)
Living separate baseline, together at age 9 ^b		0.12 (1.43)	-0.16 (1.42)	-0.56 (1.34)
Mother is black, non-Hispanic ^c		-9.00*** (0.94)	-8.38*** (0.94)	-6.48*** (0.90)
Mother is Hispanic ^c		-7.48*** (1.14)	-6.90*** (1.14)	-5.01*** (1.08)
Mother is other race or ethnicity ^c		-2.07 (2.02)	-1.96 (2.00)	-1.45 (1.89)
Mother completed high school or GED ^d		0.61 (0.84)	0.27 (0.84)	0.79 (0.79)
Mother some college or trade school ^d		5.37*** (0.92)	4.20*** (0.94)	3.29*** (0.89)
Mother has BA or more ^d		6.55*** (1.53)	4.87** (1.55)	2.67 ⁺ (1.48)
Household income to need ratio		0.66*** (0.18)	0.63*** (0.18)	0.48** (0.17)
Mother is not US born		-0.01 (1.41)	0.93 (1.41)	2.42 ⁺ (1.33)
Mother lived with both parents at age 15		-0.00 (0.72)	0.26 (0.72)	0.09 (0.68)
Mother worked in past 2 wk		1.67* (0.69)	1.57* (0.68)	1.55* (0.64)
Number of other adults in household at age 9		-0.05 (0.41)	-0.05 (0.41)	-0.06 (0.38)
Number of other children in household at age 9		-0.64* (0.26)	-0.66* (0.26)	-0.49* (0.24)
Maternal prenatal drugs, alcohol, or smoking		0.57 (0.85)	0.48 (0.85)	0.53 (0.81)
Mother reported IPV before child's birth		1.94 (1.32)	2.00 (1.31)	0.86 (1.24)
Birth father supportive during pregnancy		-0.04 (0.22)	-0.09 (0.22)	-0.16 (0.21)
Late starting or no prenatal care		-0.09 (0.86)	-0.05 (0.85)	0.17 (0.81)
Low maternal stress at age 5			0.09 (0.12)	0.04 (0.12)
Some indication of maternal depression or general anxiety disorder over past 9 y			-0.02 (0.69)	0.54 (0.65)
Mother's impulsivity age 5			0.26 (0.26)	0.39 (0.24)
Mother's WAIS-R Similarities score at age 3			0.56*** (0.14)	0.47*** (0.13)
Cognitive stimulating parenting at age 1			0.78** (0.24)	0.50* (0.23)
Child's externalizing CBCL at age 3				-0.08 ⁺ (0.04)
Child's PPVT scores at age 3				0.27*** (0.02)
Constant	95.51*** (0.74)	106.75*** (10.64)	99.10*** (10.89)	75.96*** (10.49)
Observations	1532	1532	1532	1532
R ²	0.031	0.28	0.30	0.38

^a Omitted category is Parent not spanking (all models also include controls for father absent at age 3 and father absent at age 5 interviews).

^b Omitted category is Not living with father at baseline or at age 9.

^c Omitted category is Mother is white, non-Hispanic.

^d Omitted category is Mother did not finish high school.

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